



United States Environmental Protection Agency
Region 10 Emergency Response Unit
POLLUTION REPORT

I. HEADING

Date: April 3, 2000
Subject: CleanCare Removal Site (CleanCare), Tacoma, Washington
From: Michael Szerlog, OSC, USEPA, Region 10, Emergency Response Unit
Tel: Office (206) 553-0279
TO: See Distribution List on last page

POLREP No.16 (Progress)

II. BACKGROUND

Site ID: SSID # 106W
Delivery Order No: 081-10 -02
Response Authority: CERCLA,
CERCLIS No: WASFN1002182
NPL Status: Not Listed (former RCRA site within Commencement Bay Superfund site)
State Notification: Washington State Department of Ecology referred site to EPA
Action Memo Status: Signed on December 17, 1999 and January 7, 2000
Removal Start Date: December 17, 1999
Expected Completion Date: March 17, 2001
Site Web Page: www.epa.gov/r10earth, click Index, click C for CleanCare. or use URL: <http://epainotes1.rtpnc.epa.gov:7777/r10/cleanup.nsf/sites/CleanCare>

III. SITE INFORMATION

A. Incident Category

This is a time-critical removal action at an inactive waste management facility.

B. Site Description

1. Site Location

The CleanCare site is located at 1510 Taylor Way in Pierce County, City of Tacoma, Washington at Township 21, Range 3 E. in Section 26. The site comprises approximately 4.2 acres latitude 47° 16' 25" North and longitude 122° 23' 32" West. The site is located in the ATacoma Tideflats area about three miles northeast of downtown Tacoma. The site is owned by David Bromley of Bromley-Marr ECOS Inc.

The CleanCare site was an interim status treatment, storage, disposal, and recycling (TSD) facility for off-site generated hazardous and non-hazardous wastes - one of a handful of commercial TSDs operating in the state of Washington. When the facility was in operation its major function was to solidify oily sludge wastes originating from catch basins, sumps, and storm drains; recycle waste oils, antifreeze, and spent solvents; and crush used oil filters for off-site recycling by other facilities.

The CleanCare facility has four separate tank farms (Tank Farm (TF)-1, TF-2, TF-3, and TF-4), two hazardous/dangerous waste container storage pads (container storage (CS) CS-4A and CS 4-B), and a processing area where the distillation of solvent, oil, and antifreeze used to occur.

IV. Response Information

A. Situation

1. Current Situation

March 27, 2000 (Monday)

Personnel on site: 6 START, 18 ERRS, 2 USCG, 1 EPA

Weather : Mostly cloudy with intermittent rain throughout the day, temps in the low 40's F. All site personnel attended daily safety meeting and discussed site safety and planned activities. START Reviewed validated data, Provided continuous air monitoring during tank transferring operations, Conducted air sampling during pumping operations, Collected samples from three phases of materials from T-9, Completed Polrep 15. ERRS continued treating contact water, reorganized drum hazcatting documentation, Shipped rolloff of used oil filters off site, Pumped off used oil from 6,900-gallon poly-tank to 24, Pumped 37 waste oil drums into Baker Tank 24, Pumped A-Fuels and spent solvents into Baker Tank 7, Staged empty drums to crushing staging area, Continued tank transferring operation of third layer in Tank 1 (5.5 truck loads shipped out by Waste

Management totaling 17,675 gallons). Also, Emerald pumped the third layer for Waste Management into Baker Tanks 6 and 24.

March 28, 2000 (Tuesday)

Personnel on site: 5 START, 16 ERRS, 2 USCG, 1 EPA.

Weather: Morning intermittent light rain, afternoon partly sunny, temperatures ranging from low 40's to low 60's F.

All site personnel attended daily safety meeting and discussed site safety and planned activities. START collected samples of three phases of material from Tanks 10 and 11 in Tank Farm 2, Conducted routine air monitoring across the site and specific monitoring during pumping activities, Sampled treated stormwater in Baker Tank 22 (Batch 13) for potential discharge. ERRS continued pumping operation of Tank 1, the third layer going to Waste Management (16,594 gallons). Phillips pumped 15,000 gallons from Tank 1 into Baker Tank 23. ERRS assisted START with sampling of Tanks 10 and 11, Placed wet file boxes in Building 1 onto pallets.

March 29, 2000 (Wednesday)

Personnel on site: 5 START, 16 ERRS, 2 USCG, 1 EPA

Weather: Sunny/Partly cloudy, light winds, temperatures ranged from the lower 40's to the lower 60's F.

All site personnel attended daily safety meeting and discussed site safety and planned activities. START prepared for sampling of Tank Farm 3 (TF-3), Collected samples of three phases of material from Tank 22 in TF- 3, Performed air monitoring continuously during pumping operations, Applied for and received permission to discharge treated stormwater. ERRS discharged batch 12 treated stormwater from Baker Tank 16, Continued pumping operation of Tank 1, the third layer going to Waste Management (23,000 gallons), Collected samples from Baker Tank 10 for Emerald, Assisted START with sampling of Tank 22 and with removing covers of tank manholes in Tank Farm 3. Also, Emerald pumped 5,000 gallons from Tank 1 into Baker Tank 23 and pumped 10,126 gallons from the fourth layer of Tank 1.

March 30, 2000 (Thursday)

Personnel on site: 6 START, 16 ERRS, 2 USCG, 1 EPA

Weather: Mostly sunny, moderate winds, temperatures ranged from the 40's to the lower 60's F.

All site personnel attended daily safety meeting and discussed site safety and planned activities. The OSC, DOE Deputy Director, and DOE site personnel over viewed and toured the site. START sampled three phases of material from Tanks 19 and 24, Conducted continuous air monitoring across the site and during pumping operations, inventoried file boxes in Building 1. ERRS discharged treated stormwater from Baker Tank 22 (batch 13), Continued pumping operation at Tank 1, the third layer going to Waste Management (18,600 gallons) and the fourth layer going to Emerald (29,709 gallons), Held 4 hour confined space training class,

Assisted START with sampling at Tank Farm 3 by removing covers on tank manholes, Pumped water from Tank Farm 1 into Baker Tank7 6, Treated water, Pumped A-fuels into Baker Tank7 9.

March 31, 2000 (Friday)

Personnel on site: 5 START, 16 ERRS, 2 USCG, 0 EPA

Weather: Mostly sunny, light breeze, high in the mid 60's. All site personnel attended daily safety meetings and discussed site safety and planned activities. START collected samples from three phases of material in Tanks 18 and 23 and from one phase of material in Tank 21, Conducted air monitoring continuously during tank pumping operations, Planned air and tank sampling activities for next week. ERRS continued pumping from Tank 1, third layer going to Waste Management (18,300 gallons), Pumped A-fuels from drums into Baker Tank7 9, Cleaned paint- related drums so that Phillips will take them, Continued treating water.

2. Removal Actions to Date

On January 7, 2000, the Action Memorandum to increase site ceiling, to ask for a \$2 million exemption, a 12-month exemption, and a change of scope was signed. A purchase request was also signed and ERRS was funded, incrementally, to begin removal activities.

The State (Washington Department of Ecology) and the City (City of Tacoma Public Works) continue to provide assistance with discharge of treated contact water.

Drums -

Oil Filter Drums: This phase of the project is completed.

RCRA Drums: Finished segregation and inventory of all non oil filter drums known to be located on the site (formerly referred to as RCRA drums). Selected generators have removed a total of 570 drums and 12 totes of waste. Remaining drums undergoing segregation and bulking with similar waste streams prior to disposal.

Oil Drums in Building #5: Continued sampling and collecting data for the oil drums located in the southern portion of Building #5 and performing Hazard Categorization tests on these samples. The material from 116 of these drums and 4 totes was pumped into a 6,000 gallon storage tank to reduce disposal costs. Disposal facility to be determined.

Antifreeze Drums: Antifreeze from 65 drums was pumped into Baker Tank7 #18 and removed by Emerald Services. All identified drums of antifreeze (108) have been inventoried and staged north of BT #18 for bulking prior to disposal.

Solvent Drums: All identified drums of spent solvent have been inventoried. All Spent Solvent drums have been pumped into Baker Tank7 #9 for bulking prior to disposal. Disposal facility to be determined.

Glycol Drums: 5,000 gallons of glycol have been pumped into Baker Tank7 #18 for bulking prior to disposal. Disposal facility to be determined.

Baker Tanks7 - To date 319,708 gallons of stormwater has been hauled off-site by Emerald Services for disposal. Treated and discharged 11 batches (approximately 220,000 gallons total) of waste water to the City of Tacoma Sanitary Sewer System. Baker Tanks7 are decontaminated and returned to the vendor after they are emptied.

Surface Water - This week, continued treating contact surface water and decontamination water with the temporary waste water treatment system.

ASTs - To date all of the ASTs in Tank Farm 1 (T-1, T-3, T-4, and T-5) and Tank Farm 2 (T-7, T-8, T-9, T-10, T-11, T-12, T-13, T-14, and T-15) have been sampled. Several of the ASTs in Tank Farm 3 (T-18, T-19, T-21, T-22, T-23, and T-24) have been sampled. The contents of the remaining tanks in Tank Farm 3 (T-20 and T-25) have been determined using an oil/water interface probe. To date 263,166 gallons have been removed from T-1, 241,666 gallons of which have been disposed of off site. The remaining 21,500 gallons are stored on site in Baker Tanks7.

Soil - No work was performed this week regarding site soils. To date, 14 soil samples were collected during the assessment phase to characterize site soils.

3.Enforcement

The Region currently has some information regarding potential responsible parties (PRPs) at the site. EPA intends to gather additional PRP information during the removal action.

B.Planned Removal Activities

To minimize/eliminate the threat to human health and the environment posed by the wastes on the site, the following removal activities are planned:

Drums: organization of drums and documents (manifests & profile analyses), hazard categorization and disposal tests, and removal of containers from the site.

Baker Tanks7: The waste water from some tanks will continue to be treated on site and discharged. At the same time, waste water from other Baker Tanks7 will continue to be shipped off site. As tanks are emptied, they will be returned to the rental company.

Surface Water: manage surface water as it collects onsite (including sampling, treatment, and discharge), clean concrete and asphalt surfaces that currently impact surface water, establish and implement a long term. plan/recommendation for surface water management including possibly construction of an asphalt cap.

ASTs: sampling, handling of contents (off site disposal or combination of onsite treatment and off site disposal anticipated), clean tanks, possible dismantling of some tanks and containment structures and remove from site

Soil: Possible further sampling prior to excavation, confirmation sampling, and removal from site or onsite treatment. Installation of asphalt cap if deemed necessary.

C.Next Steps

EPA, ERRS, START, and the USCG Strike Team to continue managing onsite surface water. Continued data management including data for all non-oil filter drums. Continued treatment of Baker Tank7 water, ship some of it off site. Discharge treated contact and non contact water to the Tacoma Sanitary Sewer, in accordance with the Special Approved Discharge (SAD). Decontaminate Baker Tanks7 as they are emptied and return them to the vendor. Continued sampling and disposal of AST contents. Characterization and sampling approximately 10-20 large on- site containers.

D.Key Issues

Security Off Duty City of Tacoma Police continue with site security.

Discharge of non contact waters Non contact waters being treated on site.

Emergency discharges have ceased.

Management of contact water; Contact surface water (that which falls within the secondary containment structures) is being pumped into temporary storage tanks (Baker Tanks7). This water continues to be analyzed and some of it is being treated and discharged and some is being disposed off site. Performing both tasks simultaneously will reduce the length of time required to accomplish this task, reduce the associated costs, such as Baker Tank7 rental fees, and remove the threat of a release.

Drum/Container Waste; Generators of site waste stored in drums/containers will have the opportunity dispose of their wastes.

V. Cost Information

Estimated costs are summarized below

	Established Ceiling	Estimated Costs as of date listed
EPA	\$ 150,000	\$36,860 (4/02)
START	\$ 350,000	\$172,946 (4/02)
ERRS	\$ 2,100,000	\$1,381,313 (3/30)
Coast Guard	\$ 100,000	\$72,946 (3/30)
Total	\$ 2,700,000	\$1,682,240

Note: The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI Disposition of Wastes

Waste Stream	Medium	Quantity	Containment-Migration Control	Treatment	Disposal
Used Oil Filters	solid and solidified waste	270 cu yd	placed liners in reliefs	removed oil filters from 55 gallon drums and consolidated in reliefs	Waste Management delivered to Olympic View Sanitary Landfill
Used Oil Filter Drums	solid waste	150 cu yd	placed liners in reliefs	crushed drums with an excavator to reduce volume	Phillips Services Corp. Delivered to Bethlehem Steel for recycling.
Used RCRA Drums	solid waste	164 cu yd	placed liners in reliefs	crushed drums with an excavator to reduce volume	Phillips Services Corp. Delivered to Columbia Ridge Landfill.
Generator Drums	sledges and liquids	570 drums and 12 totes	NA	generators contracted with TSDs to properly manage their waste	Brought to various disposal companies
Oily Debris	solidified waste	20 cu yd	placed liners in reliefs	consolidated in reliefs	Phillips Services Corp. delivered to Olympic View Sanitary Landfill
Contact Rain Water	liquid	319,708 gal	contained in Baker Tanks7	Emerald Petroleum Services (EPS) water treatment plant	EPS, to City of Tacoma Sanitary Sewer
Contact Rain Water	liquid	123,400 gal	contained in Baker Tanks7	Phillips Services Corp. water treatment plant	Phillips Services Corp. to City of Tacoma Sanitary Sewer
Contact Rain Water	liquid	220,000 gal	contained in Baker Tanks7	treated on site with temporary waste water treatment system	to City of Tacoma Sanitary Sewer
Baker Tanks7	solid	Tank	NA	pressure washed, and wiped down	returned to Vendor (Baker Tanks7, Inc.)
Tip Trailers	solid	11 trailers	NA	transported off site to make room for other activities	temporarily stored at the Phillips Services Corp. facility adjacent to the site
Oil From Drums	liquid	142 drums + 4 totes	6,900 gallon poly tank on site	Transferred from PolyTank to Baker Tank7 24	to be determined
Antifreeze from Drums	liquid	65 drums	Bulked into Baker Tank7 # 18	transported by Spencer	Delivered to Onyx for recycling
Tank 1 Oily Water	liquid	1,500 gal	Bulked into Baker Tank7 #10	transportation to be determined	to be determined
Tank 1 Layer 1	liquid	73,225 gal	Transferred to Vac Truck	transported by EPS	Delivered to EPS for recycling
Tank 1 Layer 2	liquid	34,437 gal	Transferred to Vac Truck	transported by Phillips Services Corp.	Delivered to Phillips Services Corp for recycling
Tank 1 Layer 3	liquid	94,169 gal	Transferred to Vac Truck (74,169 gal) Transferred to Baker Tank7 for temporary storage (20,000)	transported by Waste Management	Delivered to Waste Management facility in Arlington, OR for solidification and disposal
Tank 1 Layer 4	liquid	39,835 gal	Transferred to Vac Truck	transported by Emerald	Delivered to Emerald facility in Seattle for recycling
A-Fuel/Solvent from Drums	liquid	12,000 gal	Bulked into Baker Tank7 #9	10,000 gallons transported off site by Safety Kleen	Delivered to Araganite facility in Utah for recycling
Waste Stream	Medium	Quantity	Containment-Migration Control	Treatment	Disposal
Glycol From Drums	liquid	5,000 gal	Bulked into Baker Tank7h #18	transportation to be determined	to be determined

VII Distribution

To: EPA Headquarters, Washington, D.C. Attention: Terry By
 EPA Region 10, Emergency Response Unit, Attention: Chris Field
 EPA Washington Operations Office, Attention: Julie Hagensen
 Puyallup Tribe of Indians, Tacoma, Attention: Joe Edgell
 Washington State Department of Ecology, Attention: Jim Sachet
 City of Tacoma Public Works Department, Attention: Michael Kennedy
 EPA Region 10 Web page, Attention: Beth Kunz
 EPA Region 10, Emergency Response Unit, Attention: OSCs

VII Status

Case Pending.